

DECLARATION

As a below and named inventor, I declare that:

My residence, post office address and citizenship are as stated below next to my name; I believe I am the original, first and joint inventor of the subject matter which is claimed and for which a patent is sought on the invention entitled: MECHANICAL RESONATOR the specification of which was filed on _____ as Application No. _____ and was amended on _____ (if applicable).

I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above. I acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations, Section 1.56. I claim foreign priority benefits under Title 35, United States Code, Section 119 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed.

Prior Foreign Application(s)

Country	Application No.	Date of Filing	Priority Claimed Under 35 USC 119
			Yes No
			Yes No

I hereby claim the benefit under Title 35, United States Code § 119(e) of any United States provisional application(s) listed below:

Application No.	Filing Date
60/456,767	3/21/2003

I claim the benefit under Title 35, United States Code, Section 120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, Section 112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, Section 1.56 which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

Application No.	Date of Filing	Status
		Patented Pending Abandoned
		Patented Pending Abandoned

Power of Attorney: As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith:

Eric M. Dobrusin (Reg. No. 33,867)
 Scott A. Chapple (Reg. No. 46,287)
 Jenny Lee (Reg. No. 46,865)
 Theresa A. Orr (Reg. No. 34,890)

Christopher J. Voci (Reg. No. 45,184)
 Ronald A. Krasnow (Reg. No. 33,321)
 Paul A. Stone (Reg. No. 38,628)
 James H. Ackley (Reg. No. 45,695)

Full Name of Inventor 1	Last Name Kolosov	First Name Oleg	Middle Name or Initial	
Residence & Citizenship	City San Jose	State/Foreign Country CA	Country of Citizenship Russia	
Post Office Address	Post Office Address 1045 Arlington Lane	City San Jose	State/Country CA	Zip Code 95129
Full Name of Inventor 2	Last Name Matsiev	First Name Leonid	Middle Name or Initial	
Residence & Citizenship	City San Jose	State/Foreign Country CA	Country of Citizenship Russia	
Post Office Address	Post Office Address 1060 Alderbrook Lane	City San Jose	State/Country CA	Zip Code 94063
Full Name of Inventor 3	Last Name Padowitz	First Name David	Middle Name or Initial	
Residence & Citizenship	City Mountain View	State/Foreign Country CA	Country of Citizenship USA	
Post Office Address	Post Office Address 200 Central Avenue	City Mountain View	State/Country CA	Zip Code 94043

I further declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Signature of Inventor 1	Signature of Inventor 2
Oleg Kolosov	Leonid Matsiev
Date	Date

Signature of Inventor 3
David Padowitz
Date



UNITED STATES PATENT AND TRADEMARK OFFICE

UNDER SECRETARY OF COMMERCE FOR INTELLECTUAL PROPERTY AND
DIRECTOR OF THE UNITED STATES PATENT AND TRADEMARK OFFICE

FEBRUARY 25, 2004

SYMYX TECHNOLOGIES, INC.
PAUL A. STONE
LEGAL DEPARTMENT
3100 CENTRAL EXPRESSWAY
SANTA CLARA, CA 95051

RECEIVED
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Symyx Technologies
Legal Department



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UNITED STATES PATENT AND TRADEMARK OFFICE
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 08/08/2003

REEL/FRAME: 014365/0498

NUMBER OF PAGES: 4

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

PADOWITZ, DAVID

DOC DATE: 07/29/2003

ASSIGNOR:

MATSIEV, LEONID

DOC DATE: 07/30/2003

ASSIGNOR:

KOLOSOV, OLEG

DOC DATE: 07/31/2003

ASSIGNEE:

SYMYX TECHNOLOGIES, INC.
3100 CENTRAL EXPRESSWAY
LEGAL DEPARTMENT
SANTA CLARA, CALIFORNIA 95051

SERIAL NUMBER: 60456767

FILING DATE: 03/21/2003

PATENT NUMBER:

ISSUE DATE:

014365/0498 PAGE 2

LAZENA MARTIN, EXAMINER
ASSIGNMENT DIVISION
OFFICE OF PUBLIC RECORDS

08-13-2003

Form PTO-1595
(Rev. 6-93)
OMB No. 0651-0011 (exp. 4/94)



1EET

US DEPARTMENT OF COMMERCE
Patent and Trademark Office

102523360

To the Honorable Assistant Com.
Please record the attached original documents or copy thereof.

1. Name of conveying party(ies)

Padowitz, David
Matslev, Leonid
Kolosov, Oleg

Additional name(s) of conveying party(ies) attached?

☐ Yes ☒ No

2. Name and address of receiving party(ies)

Name: Symyx Technologies, Inc.
Legal Department
3100 Central Expressway
Santa Clara, CA 95051

Additional name(s) & address(es) attached? ☐ Yes ☒ No

3. Nature of Conveyance:

☒ Assignment

☐ Merger

☐ Other

☐ Change of Name

Execution Date: July 29, 2003, July 30, 2003, July 31, 2003

Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is:

A. Patent Application No.(s) 60/456,767

B. Patent No.(s)

Filed: March 21, 2003

Additional numbers attached? ☐ Yes ☒ No

5. Name and address of party to whom correspondence concerning document should be mailed:

Attorney's Name: Paul A. Stone

Name: Symyx Technologies, Inc.
Legal Department
3100 Central Expressway
Santa Clara, CA 95051

6. Total number of applications and patents involved:

1

7. Total fee (37 CFR 3.41):.....\$ **40.00**

☐ Enclosed

☒ Authorized to be charged to deposit account

8. Deposit account number: **50-0496**

(Attached duplicate copy of this page if paying by deposit account)

9. Statement and signature:

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Paul A. Stone Reg. No. 38,628
(Name of Person Signing)

Paul A. Stone
Signature

Aug. 5, 2003
Date

Total number of pages being submitted, including cover sheet, attachment(s), and document(s) are: 4

Mail documents to be recorded with required cover sheet information to:

Mail Stop Assignments
Commissioner of Patents
P.O. Box 1450
Alexandria, VA 22313-1450

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2003 AUG - 8 AM 11: 31
FINANCE SECTION

08/12/2003 LIAVELLER 00000215 500496 60456767

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ASSIGNMENT OF PATENT APPLICATION

JOINT

WHEREAS, David Padowitz residing at Mountain View, California, Leonid Matsiev residing at San Jose, California, and Oleg Kolosov residing at San Jose, California, hereinafter referred to as "Assignors," are the inventors of the invention described and set forth in the below identified application for United States Letter Patent:

Title of Invention: **Mechanical Resonator**

Filing Date: 3/21/03 Application No.: 60/456,767 and

WHEREAS, **Symyx Technologies, Inc.**, a Delaware corporation, located at 3100 Central Expressway, Santa Clara, California 95051, hereinafter referred to as "Assignee," is desirous of acquiring an interest in the invention and application and in any Letters Patent and Registrations which may be granted on the same;

For good and valuable consideration, receipt of which is hereby acknowledged by Assignors, Assignors have assigned, and by these presents do assign to Assignee all right, title and interest in and to the invention and application, and to all foreign counterparts (including patent, utility model and industrial designs), and in and to any Letters Patent and Registrations which may hereafter be granted on the same in the United States and all countries throughout the world, and to claim the priority from the application as provided by the Paris Convention. The right, title and interest is to be held and enjoyed by Assignee and Assignee's successors and assigns as fully and exclusively as it would have been held and enjoyed by Assignors had this assignment not been made, for the full term of any Letters Patent and Registrations which may be granted thereon, or of any division, renewal, continuation in whole or in part, substitution, conversion, reissue, prolongation or extension thereof.

Assignors further agree that they will, without charge to Assignee, but at Assignee's expense, (a) cooperate with Assignee in the prosecution of U.S. Patent applications and foreign counterparts on the invention and any improvements, (b) execute, verify, acknowledge and deliver all such further papers, including patent applications and instruments of transfer and (c) perform such other acts as Assignee lawfully may request to obtain or maintain Letters Patent and Registrations for the invention and improvements in any and all countries, and to vest title thereto in Assignee, or Assignee's successors and assigns.

IN TESTIMONY WHEREOF, Assignors have signed their names on the dates indicated.

Date: 7/29/2003

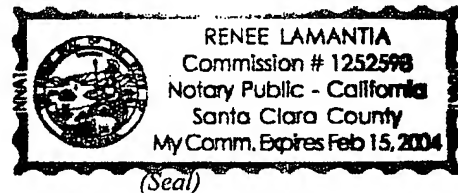
David Padowitz
David Padowitz

STATE OF California
COUNTY OF Santa Clara

On July 29, 03, before me, Renee Lamantia Notary Public, personally appeared David Padowitz personally known to me (or proved to me on the basis of satisfactory evidence) to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal

Signature Renee Lamantia



Date: 07.30.03

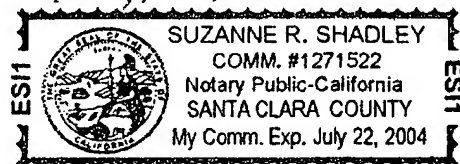
Leonid Matsiev
Leonid Matsiev

STATE OF California
COUNTY OF Santa Clara

On July 30, 2003, before me, Suzanne R. Shadley, Notary Public, personally appeared Leonid Matsiev personally known to me (or ~~proved to me on the basis of satisfactory evidence~~) to be the person(s) whose name(s) is/~~are~~ subscribed to the within instrument and acknowledged to me that he/~~she~~/they executed the same in his/~~her~~/their authorized capacity(~~ies~~), and that by his/~~her~~/their signature(~~s~~) on the instrument the person(~~s~~), or the entity upon behalf of which the person(~~s~~) acted, executed the instrument.

WITNESS my hand and official seal

Signature Suzanne R. Shadley



Date:

07/31/03

Oleg Kolosov

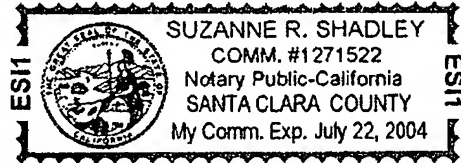
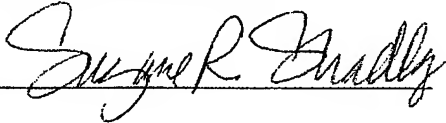
STATE OF California

COUNTY OF Santa Clara

On July 31, 2003, before me, Suzanne R. Shadley, Notary Public, personally appeared Oleg Kolosov personally known to me (~~or proved to me on the basis of satisfactory evidence~~) to be the person(s) whose name(s) is/~~are~~ subscribed to the within instrument and acknowledged to me that he/~~she/they~~ executed the same in his/~~her/their~~ authorized capacity(~~ies~~), and that by his/~~her/their~~ signature(~~s~~) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal

Signature



(Seal)